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(Filed after payment of issue fee)

PATENT APPLICATION DOCKET NO.: 2581.1004-004

*	IN THE UNITED STATES	PATENT AND TRADEM	ARK OFF	ICE
Applicants:	Jerome B. Posner, Josep	p O. Dalmau and Myrna R.	Rosenfeld	
Application No.:	10/037,860	Group Art Unit:	1645	APR 1 0 2002
Filed:	January 4, 2002	Examiner:		TECH CENTER 1600, 2900
Title:	Ma FAMILY POLYPE	PTIDES AND ANTI-Ma A	ANTIBODI	ES
	I hereby certify that this constates Postal Service with sufferivelope addressed to Assistan Arlington, VA 22202 on	CIFICATE OF MAILING rrespondence is being deposited with the ficient postage as First Class Mail in an int Commissioner for Patents, P.O. Box Signature I name of person signing certificate	1	
	<u>INFORMATION</u>	DISCLOSURE STATEMEN	<u>NT</u>	
Assistant Commissi P.O. Box 2327 Arlington, VA 2220				
Sir:				
[] under 37 C	Disclosure Statement is subr FR 1.129(a), or bmission after Final Rejection)	mitted:		
(Within any one stage in an inter	FR 1.97(b), or of the following time periods: three monnational application; or before the mailing est for Continued Examination).			
	FR 1.97(c) together with eit			
[] a S	tatement under 37 CFR 1.97	7(e), as checked below, or		
	180.00 fee under 37 CFR 1. R 1.97(b) time period, but before final ac	•	occurs first)	
[] under 37 C	FR 1.97(d) together with:			
[] a S	tatement under 37 CFR 1.97	7(e), as checked below, and	l	
	180.00 fee under 37 CFR 1. action or notice of allowance, whichever	•	of the issue fee)	

under 37. CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

Staten	ieni On	der 37 CFR 1.97(e)
[]	any co	tem of information contained in this Information Disclosure Statement was first cited in immunication from a foreign patent office in a counterpart foreign application not more more months prior to the filing of this Information Disclosure Statement; or
[]	comm knowl in the	m of information contained in this Information Disclosure Statement was cited in a unication from a foreign patent office in a counterpart foreign application, and, to the edge of the undersigned, after making reasonable inquiry, no item of information contained information disclosure statement was known to any individual designated in 37 CFR) more than three months prior to the filing of this Information Disclosure Statement.
Staten	<u>nent Un</u>	der 37 CFR 1.704(d) (Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000
[]	comm was no	tem of information contained in the Information Disclosure Statement was cited in a unication from a foreign patent office in a counterpart application and this communication of treceived by any individual designated in § 1.56(c) more than thirty days prior to the of the Information Disclosure Statement.
[X]	Enclos	sed herewith is form PTO-1449:
	[]	Copies of the cited references are enclosed.
	[X]	Copies of cited references are enclosed except those entered in prior application, U.S. Application No. 09/189,527, to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.
	[]	The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
	[]	The "concise explanation" requirement (non-English references) for reference(s) [under 37 CFR 1.98(a)(3) is satisfied by:
		[] the explanation provided on the attached sheet.
		[] the explanation provided in the Specification.
		[] submission of the enclosed International Search Report.
		[] submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
		[] the enclosed English language abstract.
[]	Applic	ant requests that the following non-published pending applications be considered:
Examiner's Initials		
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		Examiner Date

	[]	A copy of each above-cited application, including the current claims, is enclosed.
	[]	A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.
The E	xaminei nces we	is requested to return a copy of the above list of pending applications indicating which re considered with the next office communication.
It is re	equested	that the information disclosed herein be made of record in this application.
Metho	od of pay	yment:
[]		ek for the fee noted above is enclosed, or the fee has been included in the check with the panying Reply. A copy of this Statement is enclosed.
[]	Please enclos	charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is ed.
[X]	Please	charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.
		Respectfully submitted,
		HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
		By for Elizabeth W. Mala Elizabeth W. Mata Registration No.: 38,236 Telephone: (978) 341-0036 Facsimile: (978) 341-0136

Concord, MA 01742-9133 Dated: 4/2102

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	AA	5,603,934	18-FEB-97	Posner, et al.	124	185.1	
	AB	5,614,371	25-MAR-97	Posner, et al.	435	7.23	
	AC	5,668,013	16-SEP-97	Posner, et al.	435	320.1	
	ΑD	5,807,705	15-SEP-98	Posner, et al.	435	69.1	05-JUN-95
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	AT			neoplastic Limbic Ence cer, 62:2248-2251 (198		thy Wit	h

EXAMINER

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		INFORMATION DISCLOSURE CITATION IN AN APPLICATION March 29, 2002 (Use several sheets if necessary) DOCUMENT NUMBER DATE TOR DOCUMENT NUMBER DATE OTHER DOCUMENTS (Including AU Buckanovich, R.J., et al Homologous to an RNA-Bin the Developing Motor Sys AV Budde-Steffen, C., et al Paraneoplastic Opsoclonu AW Dalmau, J., et al. "Dete Patients with Small Cell Analysis", Ann. Neurol. AX Dalmau, J., et al. "Anti Encephalomyelitis/Sensor AY Dalmau, J.O. and Posner, Nervous System," Sem. in AZ Darnell, R.B. "Onconeur disorders: At the inter Proc. Natl. Acad. Sci. U AR2 Dropcho, E.J., et al. "C autoantibodies from a pa degeneration." Proc. Na AS2 Dropcho, E.J. "Neurologi 153:264-278 (1998). AT2 Dropcho, E.J. "Autoimmur Disorders: Mechanisms, Neurol. 37(S1):S102-S113 AU2 Fathallah-Shayk, H., et recognized by the sera c paraneoplastic cerebella 88:3451-3454 (1991). AV2 Furneaux, H.M., et al., in tumor tissue from pat degeneration." NEJM. 32	TATION	APPLICANT Jerome B. Posner, et al. RECEN				
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	UA	Homologous to ar	n RNA-Bindi:	ng Protein and Is Spec	ificall	y Expre	, Is ssed in	
	AV	Budde-Steffen, (Paraneoplastic (C., et al. Opsoclonus"	"An Antineuronal Autoa , Ann. Neurol. 23:528-	ntibody 531 (19	in 88).		
	WA	Patients with Sr	mall Cell L	ung Cancer - A Quantit	ibody i ative W	n the S estern	erum of Blot	
	AX	Dalmau, J., et a Encephalomyelit:	al. "Anti-H is/Sensory	u-Associated Paraneopl Neuroncpathy", <i>Medicin</i>	astic <i>e 71(2)</i>	:59-72	(1992).	
	AY	Dalmau, J.O. and Nervous System,'	d Posner, J 'Sem. in O	.B. "Paraneoplastic Sy nc. 24(3):318-328 (199	ndromes 7).	Affect	ing the	
	AZ	disorders: At t	the interse	ction of cancer, immun	ity, an	tic neu d the b	rologic rain."	
	AR2	autoantibodies	from a pate	int with paraneoplasti	c cereb	ellar		
	AS2			paraneoplastic syndrom	es," J.	Neuro.	Sci.	
	AT2	Dropcho, E.J. "Autoimmune Central Nervous system Paraneoplastic Disorders: Mechanisms, Diagnosis, and Therapeutic Options," Ann. Neurol. 37(S1):S102-S113 (1995).						
	AU2	recognized by the paraneoplastic of	ne sera of cerebellar	patients with antibody	-associ	ated		
	AV2	in tumor tissue	from patie	nts with paraneoplasti	Purkin c cereb	je-cell ellar	antigens	
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	AW2			ntoantibody synthesis raneoplastic syndrome				
	AX2			al antinuclear antiboo ogy 35:538-543 (1985)		nsory n	europathy	
	AY2	Graus, F., et al., "Immunological characterization of a neuronal antibody (anti-Tr) associated with paraneoplastic cerebellar degeneration and Hodgkin's disease." J. Neuroimmunology. 74:55-61 (1997).						
	AZ2	Luque, F.A., et al., "Anti-Ri: An Antibody Associated with Paraneoplastic Opsoclonus and Breast Cancer." Ann. Neurol. 29:241-251 (1991).						
	AR3	Moll, J.W.B., et al., "Diagnostic value of anti-neuronal antibodies for paraneoplastic disorders of the nervous system." J. Neurol., Neuros, and Psychi. 53:940-943 (1990).						
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	AT3	Moll, J.W.B., et al., "Immune diagnosis of paraneoplastic neurological disease." Clin. Neurol. Neurosurg. 97:71-81 (1995).						
	AU3	Peterson, K., et al., "Paraneoplastic cerebellar degeneration. I. A clinical analysis of 55 anti-Yo antibody-positive patients." Neurology 42:1931-1937 (1992).						
	AV3	Posner, J.B. and Immunol. 9:723-7		. "Paraneoplastic synd	dromes."	Curr.	Opin.	
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	AX3	intracellular pathogens." Curr. Opin. Immunol. 10:471-477 (1998). Sakai, K., et al., "Isolation of a Complementary NA Clone Encoding an Autoantigen Recognized by an Anti-Neuronal Cell Antibody from a Patient with Paraneoplastic Cerebellar Degeneration." Ann. Neurol. 28:692-698 (1990).						
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	AY3			"Pitfalls in the diag stic neurologic diseas				
	AZ3		nding Domai:	Paraneoplastic Enceph ns and Is Homologous t				
	AR4	Voltz, R., et al., "CD8 + T Cells are Primarily Involved in the Pathogenesis of the Anti-HU Paraneoplastic syndrome." Abstract.						
	AS4	Gultekin, S.H., et al. "Characterization of a Novel Antineuronal Antibody (Anti-Ta) in the Serum of 6 Patients with Testicular Cancer and Paraneoplastic Limbic Encephalopathy." Abstract.						
	AT4	Dalmau, J., et al., "The novel antibody (anti-Ma) from patients with paraneoplastic brainstem and cerebellar dysfunction recognizes MM1, a protein expressed in brain and testis," J. Neurol, 245:355-356 (1998).						
	AU4	paraneoplastic 1	limbic/brai:	f patients with testic nstem encephalitis har cognizes a novel neuro	bor an	antineu:	ronal	ct.
	AV4	Acid 47 and Leuc	cine 48 Res	orming Growth Factor α ults in Different Biollogy, 8(3):1247-1252 (ogical A	ion of . Activit	Aspart ies",	ic
	AW4	Burgess, W.H., et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue", Journal of Cellular Biology, 111:2129-2138 (1990).						
	AX4	Autoantibody Ass	sociated wi	itope Recognized by an th Paraneoplastic Neur orate", <i>Society for Ne</i>	ologica	l Syndr		
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